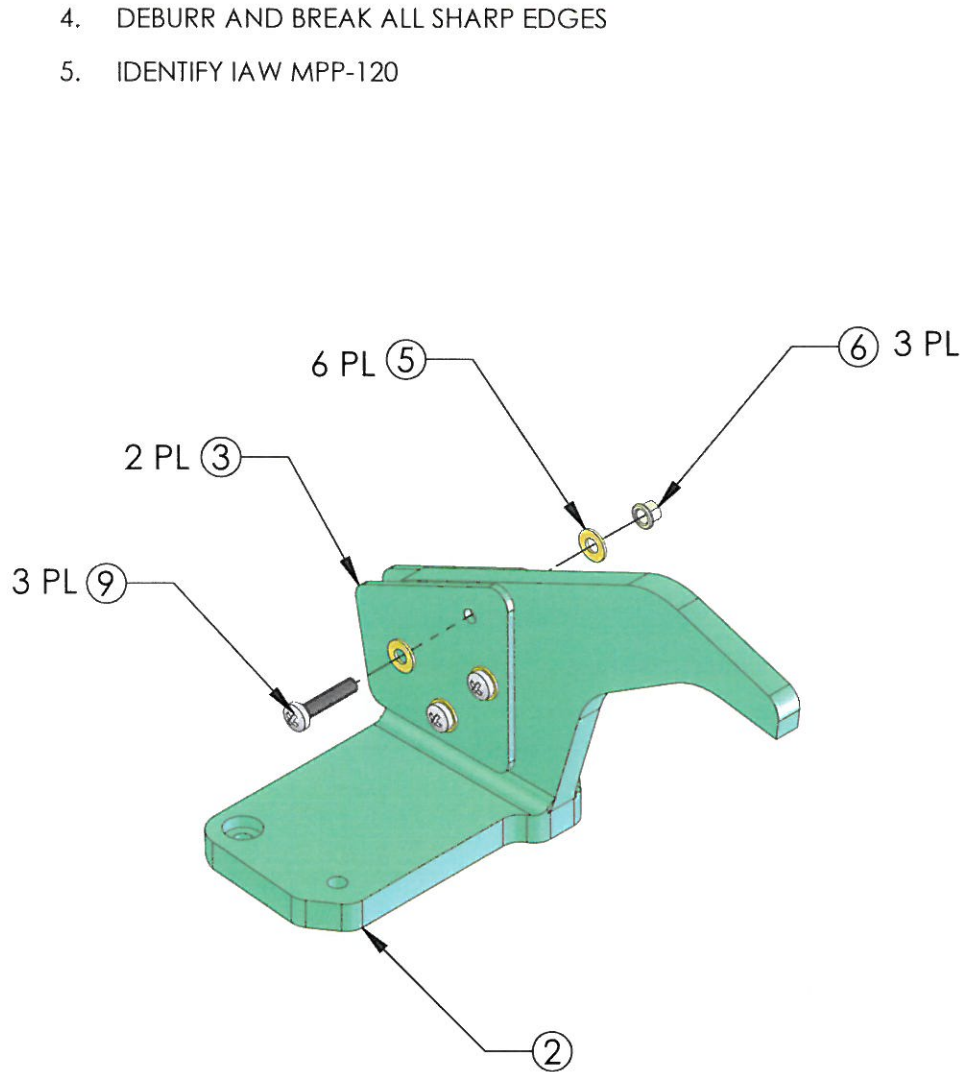


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

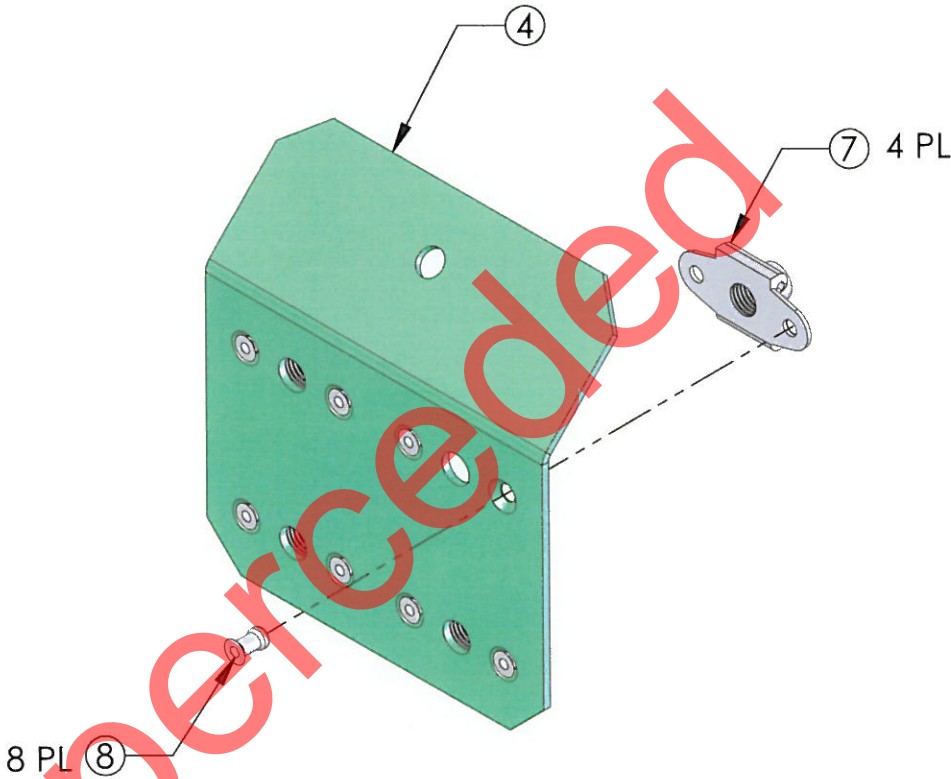
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR1		N/C
N/C	INITIAL RELEASE	06/10/09	P. BRAVO

NOTES:

- 1 MATERIAL: ALUMINUM 7075-T651 AMS-QQ-A-250/12
- 2 MATERIAL: ALUMINUM 2024-T3 PER AMS-QQ-A-250/4
- 3 FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2, COLOR BLACK; CARDINAL 4860-50 PRETREATMENT PRIMER PRIME IAW MIL-P-23377J TYPE I CLASS N
4. DEBURR AND BREAK ALL SHARP EDGES
5. IDENTIFY IAW MPP-120



647.1601 SHOWN EXPLODED

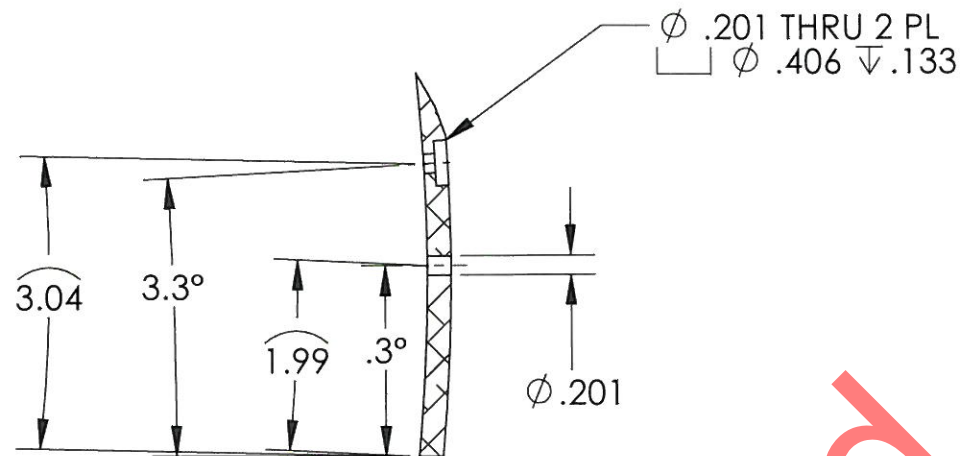
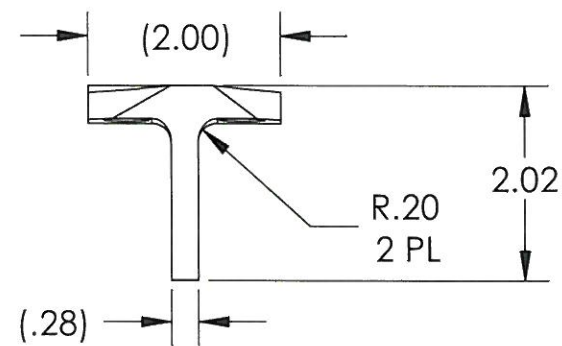


647.1602 SHOWN EXPLODED

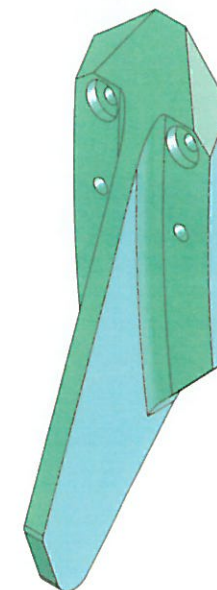
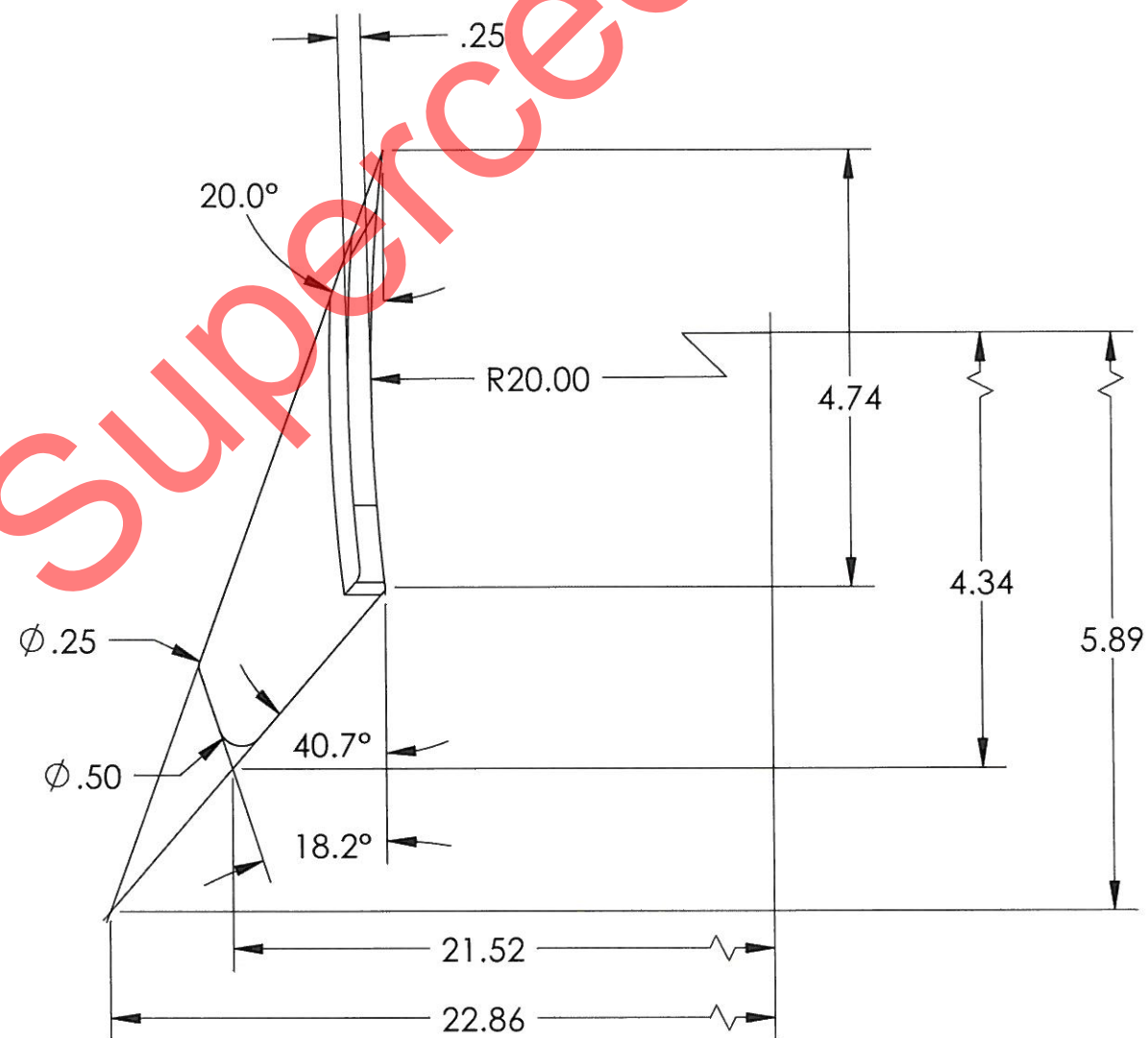
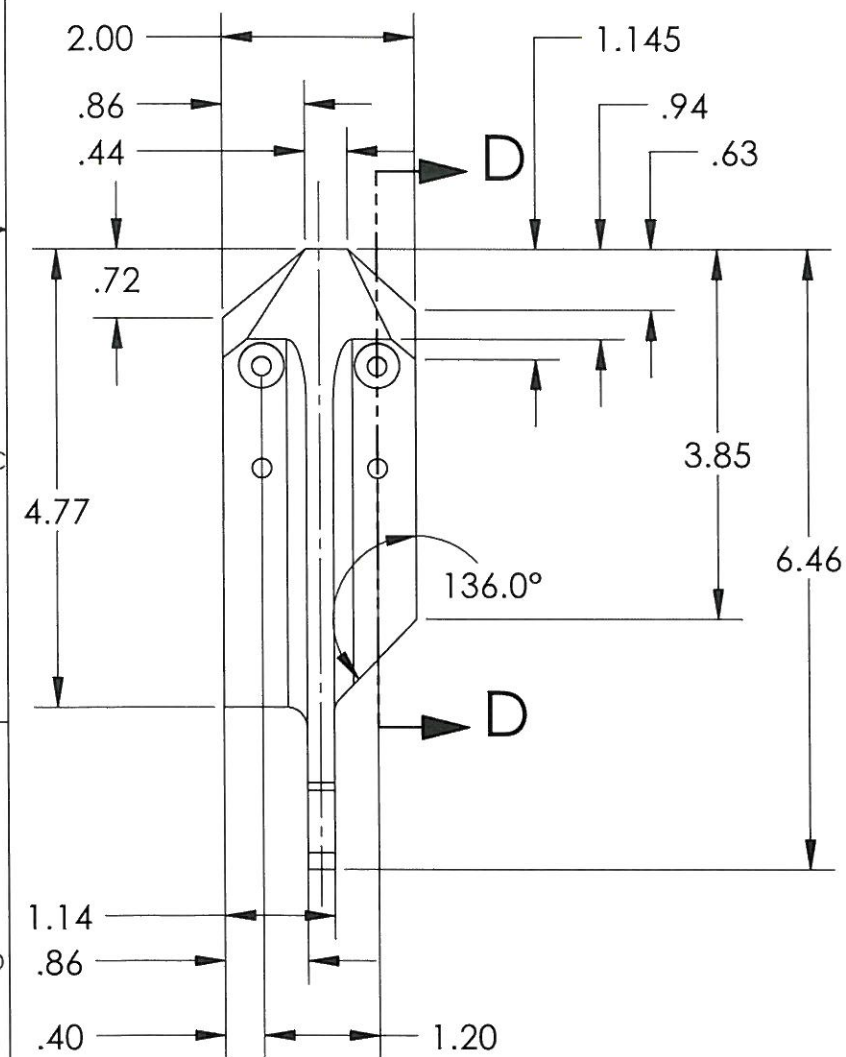
		3	9	601.2989	SCREW	MS27039-0812	
	8		8	601.2980	NUTPLATE RIVET	CCR2645S-3-04	
	4		7	601.1900	NUTPLATE	MS21059-3	
		3	6	601.2973	LOCKNUT	MS21042-08	
		6	5	601.2764	WASHER	NAS1149FN832P	
	1		4	647.1613	DOUBLER	2	3
		2	3	647.1612	SPLICE PLATE	2	3
		1	2	647.1611	WIPER DEFLECTOR, AFT	1	3
			1	647.1610	WIPER DEFLECTOR, FWD	1	3
	X			647.1602	DOUBLER ASSY		
		X		647.1601	WIPER DEFLECTOR ASSY, AFT		
	.1602	.1601	FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY				PARTS LIST			
NEXT ASSY (S)				ORIGINAL DATE			
647.1300				J. GARDINER			
				P. BRAVO			
				DRAWING APPROVAL			
				CONTRACT No.			
				UNLESS OTHERWISE SPECIFIED			
				DIMENSIONS ARE IN INCHES			
				TOLERANCES ARE:			
				2 PLACE DECIMALS ±.01			
				3 PLACE DECIMALS ±.005			
				ANGLES ±.5°			
				APICAL INDUSTRIES			
				2608 TEMPLE HEIGHTS DR.			
				OCEANSIDE, CA. 92056-3512 (760)724-5300			
				WIPER DEFLECTOR ASSY			
				SIZE B			
				CAGE CODE 07MZ6			
				DWG. NO. 647.1600			
				REV N/C			
				SCALE NONE			
				SHEET 1 OF 6			

1 2 3 4 5 6 7 8

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
APICAL INDUSTRIES ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



SECTION D-D

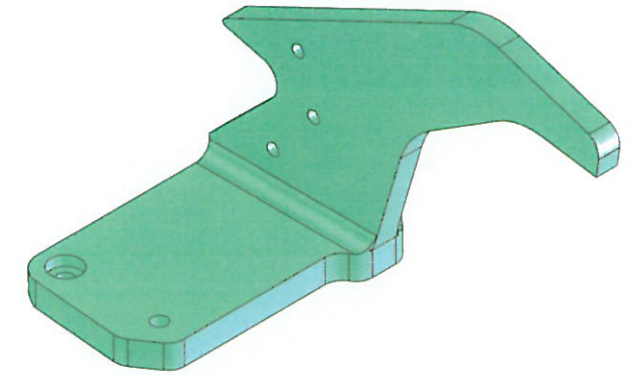
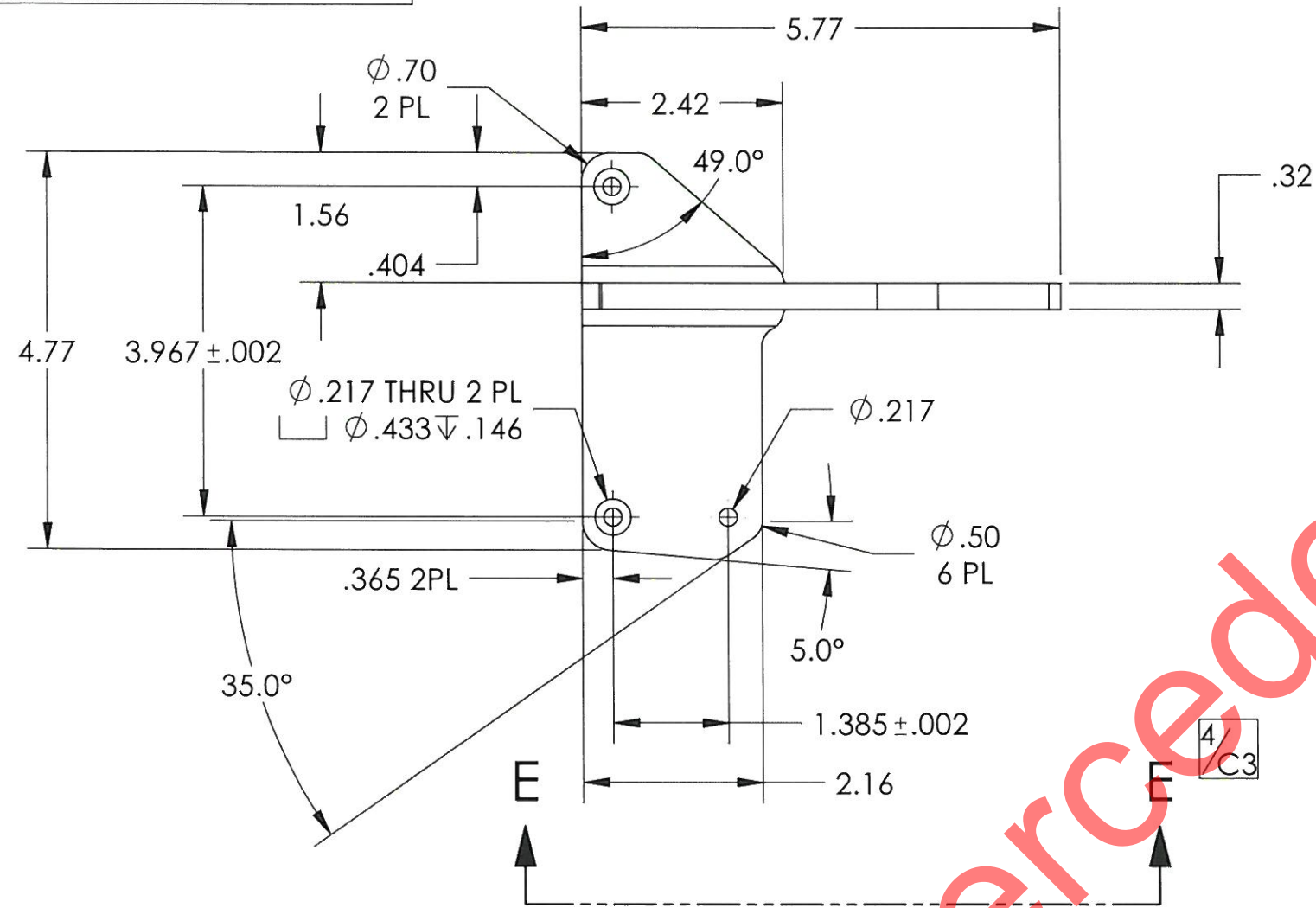


647.1610

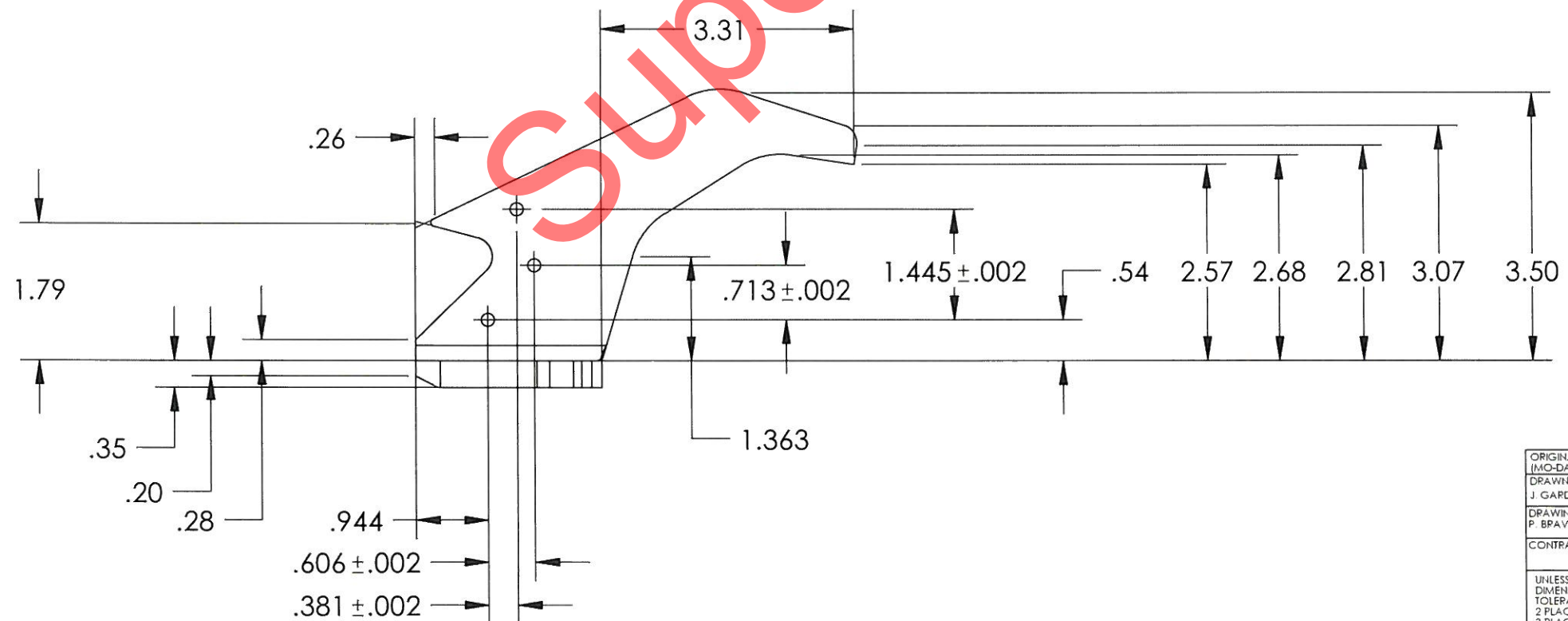
ORIGINAL DATE (MO-DA-YR) 06-10-09		APICAL INDUSTRIES	
DRAWN BY J. GARDINER		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		WIPER DEFLECTOR ASSY	
DRAWING APPROVAL P. BRAVO		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°	
CONTRACT No.		SIZE B	REV N/C
		CAGE CODE 07MZ6	DWG. NO. 647.1600
		SCALE: NONE	SHEET 2 OF 6

1 2 3 4 5 6 7 8

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



647.1611

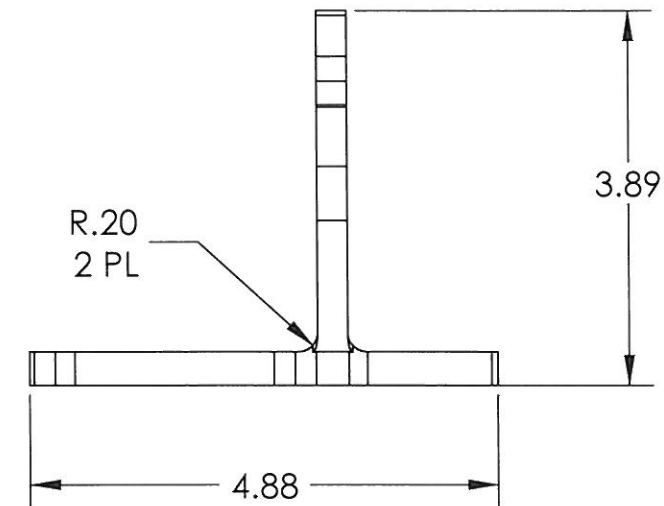
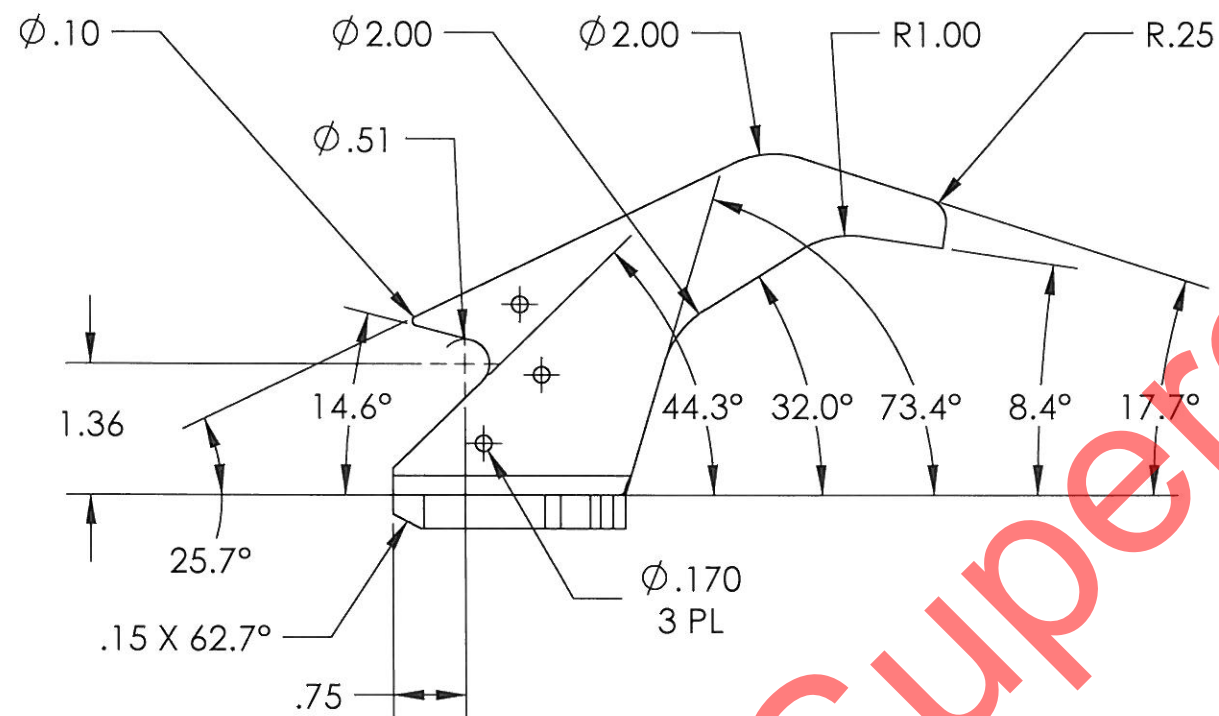


ORIGINAL DATE
(MO-DA-YR) 06-10-09
DRAWN BY J. GARDINER
CHECKER P. BRAVO
DRAWING APPROVAL
P. BRAVO
CONTRACT No.
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ± .01
3 PLACE DECIMALS ± .005
ANGLES ± .5°

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300
WIPER DEFLECTOR ASSY
SIZE B CAGE CODE 07MZ6 DWG. NO. 647.1600 REV. N/C
SCALE: NONE SHEET 3 OF 6

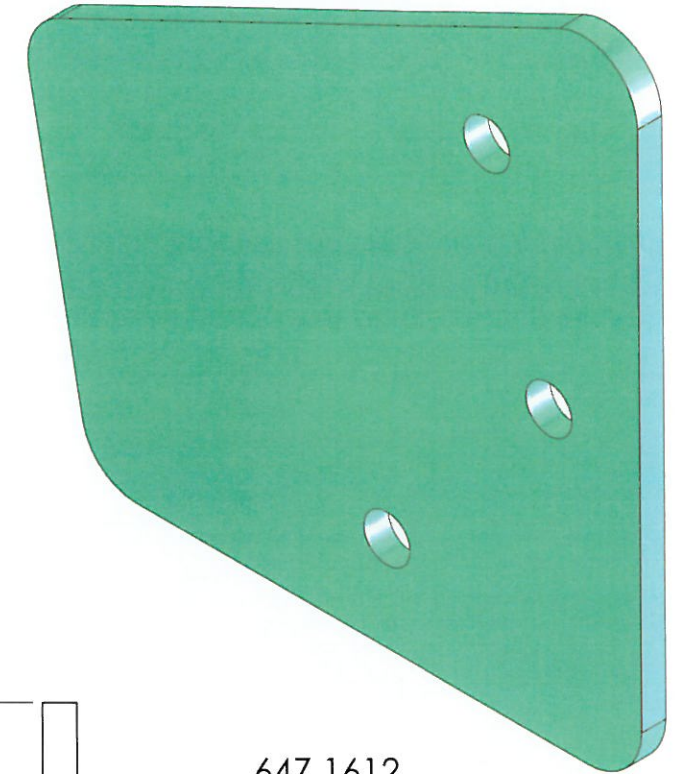
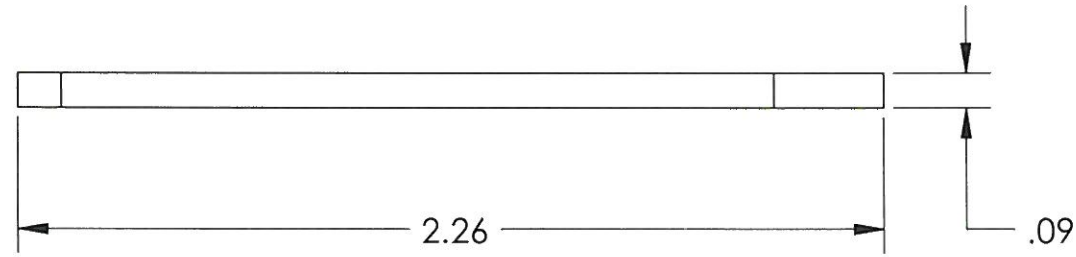
1 2 3 4 5 6 7 8

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
APICAL INDUSTRIES ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

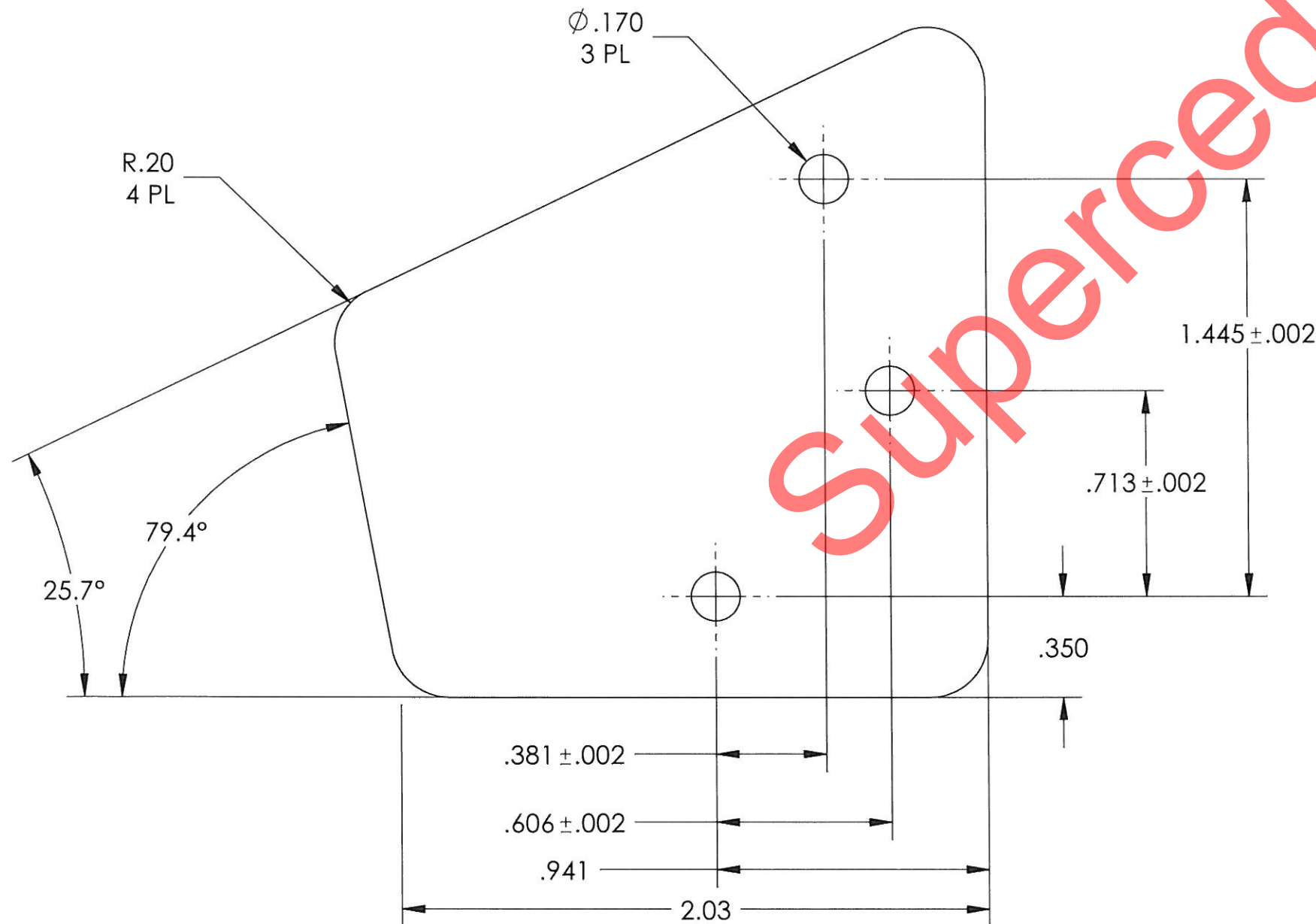


ORIGINAL DATE (MO-DA-YR) 06-10-09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DRAWN BY J. GARDINER	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO		WIPER DEFLECTOR ASSY			
CONTRACT NO.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±01 3 PLACE DECIMALS ±005 ANGLES ± 5°		SIZE B	CAGE CODE 07MZ6	DWG. NO 647.1600	REV. N/C
		SCALE: NONE		SHEET	4 OF 6

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



647.1612



ORIGINAL DATE (MO-DA-YR) 06-10-09		APICAL INDUSTRIES	
DRAWN BY J. GARDINER		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		WIPER DEFLECTOR ASSY	
DRAWING APPROVAL P. BRAVO			
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV N/C
		CAGE CODE 07MZ6	DWG. NO. 647.1600
		SCALE: NONE	SHEET 5 OF 6

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

A

B

C

D

Ø.18 THRU

1.24

.40

2.83

FLAT PATTERN

.294

.344

.688

Ø.104 THRU 8 PL
✓ Ø.199 X 100°

Ø.196
4 PL

1.071

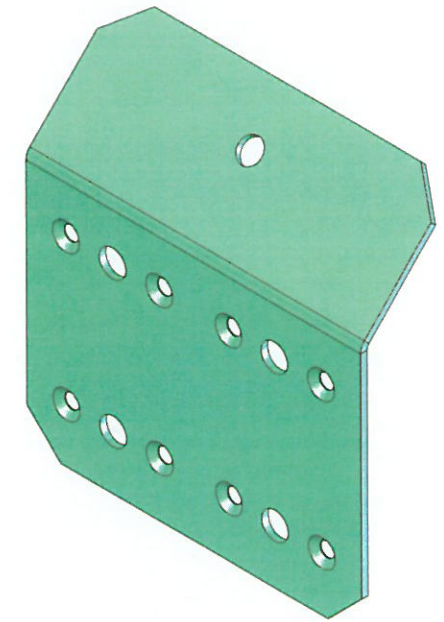
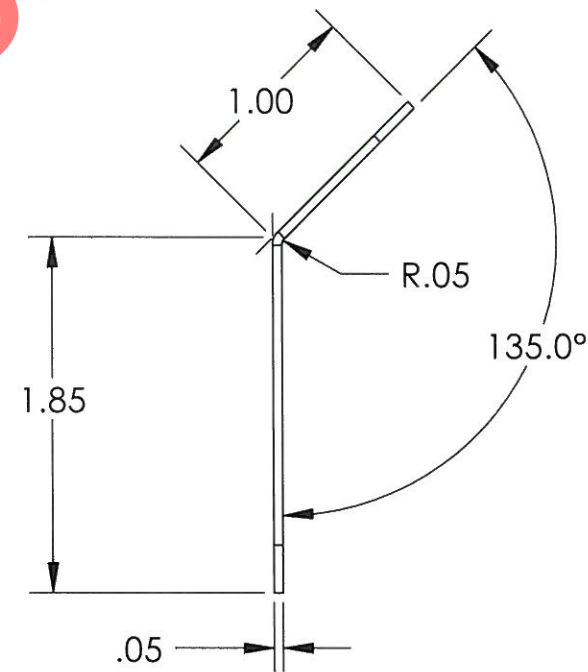
.25 X 45.0°
4 PL

.400

(.600)

(1.24)

2.48



647.1613

ORIGINAL DATE (MO-DA-YR) 06-10-09		APICAL INDUSTRIES	
DRAWN BY J. GARDINER		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKER P. BRAVO		WIPER DEFLECTOR ASSY	
DRAWING APPROVAL P. BRAVO			
CONTRACT No.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± 5°		SIZE B	REV N/C
		CAGE CODE 07MZ6	DWG. NO. 647.1600
		SCALE: NONE	
		SHEET 6 OF 6	